

In another design version of the present invention, the first base station BS1 also is any desired base station which transmits data in accordance with a standard other than the GSM Standard, in particular in accordance with a standard based on a CDMA (Code Division Multiple Access System) method.

Although the present invention has been described with reference to specific embodiments, those of skill in the art will recognize that changes may be made thereto without departing from the spirit and scope of the invention as set forth in the hereafter appended claims.

ABSTRACT OF THE DISCLOSURE

A method, mobile station and base station for data transmission in a mobile radio system wherein interruption phases are inserted in a UMTS transmission in order to monitor GSM base stations. In order to reduce the number of these interruption phases, the mobile station is switched during these interruption phases to reception of characteristic data packets and of data packets which are to be detected and are transmitted by a GSM base station.

In the claims:

On page 20, cancel line 1, and substitute the following left-hand justified heading therefor:

I Claim as My Invention:

Please cancel claims 1-29, without prejudice, and substitute the following claims therefor:

36. A method for data transmission in a mobile radio system, the method comprising the steps of:
- transmitting first data from a first base station to a mobile station using a first transmission method;
 - interrupting the transmission of the first data at specific times by interruption phases in which the mobile station interrupts at least one the reception of the first data and the processing of received first data;